



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 74 08 22

Classification of the application (IPC):

H01M 10/058, H01M 4/78, H01M 4/139, H01M 4/04, H01M 10/052, H01M 4/66, H01M 4/80, H01M 10/04, H01M 4/02

Technical fields searched (IPC):

H01M

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	KR 20090104991 A (SEOUL NAT UNIV IND FOUNDATION [KR]) 07 October 2009 (2009-10-07) * claims 1, 5 and 6 * * the whole document *	1-8 9-15
X	US 2017104204 A1 (ZHAMU ARUNA [US] ET AL) 13 April 2017 (2017-04-13) * claims 1, 18 * * paragraphs [0041] - [0043], [0106] - [0113] *	1-8

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 22 December 2021	Examiner Riederer, Florian
---------------------------	--	-------------------------------

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 74 08 22

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 22-12-2021
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
KR 20090104991	A	07-10-2009	NONE	
US 2017104204	A1	13-04-2017	CN 108140843 A	08-06-2018
			JP 6906502 B2	21-07-2021
			JP 2018530112 A	11-10-2018
			KR 20180063061 A	11-06-2018
			US 2017104204 A1	13-04-2017
			US 2019207200 A1	04-07-2019
			US 2022045311 A1	10-02-2022
			WO 2017062197 A1	13-04-2017